

## ETSI BRAN Liaison Report – November 2005

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### Venue:

Meeting 40, 14-17 November, 2005

### Base Document:

### Purpose:

BRAN Update

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# HiperMAN Activity

- Testing
  - HiperMAN-WiMAX e-mail list: >140 guys, >80 companies
  - Harmonization with WiMAX testing specs
  - Cetecom lab will work interactively with ETSI regarding the test validation
  - BRAN approval for publication:
- **BRAN42d039r2**      **RTS/BRAN-004T002-1R1 TS 102 385-1 v1.2.1 (2005-10) PICS**
- **BRAN42d040r1**      **RTS/BRAN-004T002-2R1 TS 102 385-2 v1.2.1 (2005-10) TSS & TP**
- **BRAN42d041r1**      **RTS/BRAN-004T002-3R1 TS 102 385-3 v1.2.1 (2005-10) ATS**
- New Work Items and STF-252 ToRs for 2006 were approved

# HiperMAN PHY-DLC

- HM PHY ver 1.2.2 was approved: avoids overlapping with regulatory requirements.
- HiperMAN harmonization with IEEE 802.16e for Fixed/Nomadic
  - Discussions about OFDM/OFDMA suitability to Fixed/Nomadic
    - Was shown that both are attractive
    - Are requested more simulations
- HM Revised PHY – doc. BRAN42d064
- HM Revised DLC – doc. BRAN42d063

# Broadband Fixed-Nomadic SRD

- BRAN42d059
  - At ETSI ERM/RM request was split in 2 parts:
    - Part 1 is dealing with frequencies above 3400 MHz.
    - Part 2 is dealing with the interest in lower frequency bands including those below 1GHz
  - Spectrum above 3.4GHz
    - In case that the amount of spectrum does not allow two operators to provide WDSL and wireless Triple Play services, according to traffic and spectrum needs justified in this document, in fully licensed bands, is requested to investigate the designation of more licensed spectrum to BFWA in 3.8-4.2GHz
  - Spectrum request (if using TDD):
    - 56MHz/operator
    - 70MHz/operator, when in-band repeaters are used
    - Additional 70MHz for Triple-play common traffic

## 5.8GHz HEN

- Sent in Public enquiry
  - BRAN41d059

# ETSI – IEEE Legal Issues - 1

- Copyright for PHY/DLC
  - HiperMAN has received the allowance for PHY
    - IEEE L802.16-05/054
    - to excerpt up to and including ten percent (10%) of the entirety of IEEE Std. 802.16<sup>TM</sup>-2004 and its corrigendum and IEEE 802.16e amendment, for inclusion in the revision of the ETSI BRAN HiperMAN PHY standard
    - HiperMAN intends to use the copyright for the OFDM mode; the MAC and OFDMA mode are taken by reference

## ETSI – IEEE Legal Issues - 2

- Copyright for Testing
  - Reference Corrigenda D3/D5, due to decisions in WiMAX Forum
  - IEEE L802.16-05/053 ask to make these documents visible in 2006
- Cooperation agreement
  - ETSI sent the template, no response